AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions of claims in the application.

1.   (Currently Amended): An operating system for a construction machine comprising:

setting means (36) a part configured for setting a target value with respect to a frequency distribution of a prescribed state value relating to an operational condition of the construction machine, said frequency distribution is a rate at which said prescribed state value occurs;

detecting means a part configured for detecting a prescribed state value; and

control means (35) a control part configured for calculating the frequency distribution of said prescribed state value detected by said part configured for detecting means, comparing said frequency distribution thus calculated with said target value set by said part configured for setting means (36), and outputting a previously prepared message in accordance with the comparison result.

2.   (Currently Amended): The operating system for a construction machine according to claim 1, wherein

a plurality of regions are set in a range of possible variation of said prescribed state value;

said part configured for setting means (36) sets said target value for each of said regions; and

said control part ~~means (35)~~ compares said frequency distribution with said target value,

for each of said regions, and outputs said message in accordance with the comparison result for

each of said regions.

3.   (Currently Amended): The operating system for a construction machine

according to claim 1, wherein

said part configured for setting ~~means (36)~~ sets target values for a plurality of prescribed

state values;

said part configured for detecting ~~means~~ detects a plurality of prescribed state values; and

said control part configured for calculating [[means]] calculates a plurality of frequency

distributions of said plurality of prescribed state values, compares said frequency distributions

with said target values for said prescribed state values respectively, and outputs a previously

prepared message in accordance with the combination of comparison results for said plurality of

prescribed state values.

4.   (Original): The operating system for a construction machine according to claim 1,

wherein said prescribed state value is a hydraulic oil pressure.

5.   (Original): The operating system for a construction machine according to claim 1,

wherein said prescribed state value is an engine speed.

6.   (Original): The operating system for a construction machine according to claim 1,
wherein said prescribed state value is a frequency of a work action.

7.   (Original): The operating system for a construction machine according to claim 1,
wherein said prescribed state value is a fuel consumption amount or a fuel consumption rate.

8.   (Currently Amended): The operating system for a construction machine
according to claim 1, wherein said message is displayed on a monitor screen [[(26)]] in an
operator's cab [[(11)]].

9.   (Original): The operating system for a construction machine according to claim 1,
wherein said message is issued by means of a voice announcement from a voice generator.

10.   (Original): The operating system for a construction machine according to claim 1,
wherein the whole system is mounted in the construction machine.

11.   (Currently Amended): The operating system for a construction machine
according to claim 1, further comprising:

an component [[(40)]] located in the construction machine and another component
[[(41)]] located outside the construction machine, wherein said message is sent from the
component outside the construction machine to the component in the construction machine.

12.   (Original): The operating system for a construction machine according to claim 1,

wherein said message is displayed on a section located outside the construction machine.

13.   (Currently Amended): An operating system for a construction machine

comprising:

~~setting means (36)~~ a part configured for setting a target value with respect to a frequency

of a workless state of the construction machine, said frequency is a rate at which said workless

state occurs;

~~detecting means~~ a part configured for detecting a workless state during a period that an

engine of said construction machine is operated; and

~~control means (35)~~ a control part configured for calculating a frequency of said workless

state detected by said part configured for detecting [[means]], comparing the frequency of said

workless state thus calculated with said target value set by said part configured for setting

[[means]], and outputting a previously prepared message in accordance with the comparison

result.

14.   (Original): The operating system for a construction machine according to claim

13, wherein said workless state is a state where an automatic deceleration function is engaged.

15.   (Original): The operating system for a construction machine according to claim

13, wherein said workless state is a state where a lever lock function is engaged.

16.   (Currently Amended): An operational control method comprising the steps of:

setting a target value with respect to a frequency distribution of a prescribed state value

relating to an operational condition of a construction machine, said frequency distribution is a

rate at which said prescribed state value occurs;

detecting a prescribed state value;

calculating the frequency distribution of said detected prescribed state value, comparing

said calculated frequency distribution with said set target value, and outputting a previously

prepared message in accordance with the comparison result.

17.   (New): An operating method for a construction machine comprising:

setting a target value with respect to a frequency of a workless state of the

construction machine, said frequency is a rate at which said workless state occurs;

detecting a workless state during a period that an engine of said construction

machine is operated; and

calculating a frequency of said workless state detected by a detecting section,

comparing the frequency of said workless state thus calculated with said target value set

by a setting section, and outputting a previously prepared message in accordance with the

comparison result.